

*AMENDMENTS TO THE SPECIFICATION*

Replace the paragraph beginning at page 1, line 11 with:

According to an aspect of the invention, a method of producing an oil including docosahexaenoic acid (DHA) with a strain of *Cryptocodinium cohnii* comprises culturing a strain of *Cryptocodinium cohnii* in a nutrient medium containing a compound selected from the group consisting of acetic acid and/or acetate ions, the *Cryptocodinium cohnii* consuming the acetic acid or acetate ions as the primary carbon source to synthesize DHA, wherein the culturing process parameters are controlled in a manner that results in the absence of a stationary phase during the culturing process. ~~The acetic acid and/or acetate ions comprise the primary carbon source consumed by the *Cryptocodinium cohnii* to synthesize the DHA.~~ The method also includes recovering oil ~~including~~ including DHA from the strain of *Cryptocodinium cohnii*.